

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/803,459B  
Source: 1Fw0  
Date Processed by STIC: 10/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

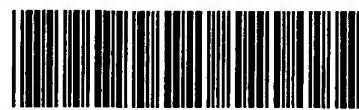
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/803,459B

DATE: 10/29/2004

TIME: 16:32:33

Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
 Output Set: N:\CRF4\10292004\J803459B.raw

3 <110> APPLICANT: Gertler, Arieh  
 4 Krishna, Radha G.  
 6 <120> TITLE OF INVENTION: LEPTIN BINDING DOMAIN COMPOSITIONS AND METHODS THERETO  
 8 <130> FILE REFERENCE: 28758.1  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/803,459B  
 C--> 10 <141> CURRENT FILING DATE: 2004-03-19  
 10 <160> NUMBER OF SEQ ID NOS: 8  
 12 <170> SOFTWARE: PatentIn version 3.2  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 630  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: homo sapiens  
 20 <220> FEATURE:  
 21 <221> NAME/KEY: CDS  
 22 <222> LOCATION: (1)..(630)  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: misc\_feature  
 26 <222> LOCATION: (6)..(6)  
 27 <223> OTHER INFORMATION: n is a, c, g, or t  
 29 <400> SEQUENCE: 1

P.3  
 Does Not Comply  
 Corrected Diskette Needed

W--> 30 atg gcn att gat gtc aat atc aat atc tca tgt gaa act gat ggg tac 48  
 31 Met Ala Ile Asp Val Asn Ile Asn Ile Ser Cys Glu Thr Asp Gly Tyr  
 32 1 5 10 15  
 34 tta act aaa atg act tgc aga tgg tca acc agt aca atc cag tca ctt 96  
 35 Leu Thr Lys Met Thr Cys Arg Trp Ser Thr Ser Thr Ile Gln Ser Leu  
 36 20 25 30  
 38 gcg gaa agc act ttg caa ttg agg tat cat agg agc agc ctt tac tgt 144  
 39 Ala Glu Ser Thr Leu Gln Leu Arg Tyr His Arg Ser Ser Leu Tyr Cys  
 40 35 40 45  
 42 tct gat att cca tct att cat ccc ata tct gag ccc aaa gat tgc tat 192  
 43 Ser Asp Ile Pro Ser Ile His Pro Ile Ser Glu Pro Lys Asp Cys Tyr  
 44 50 55 60  
 46 ttg cag agt gat ggt ttt tat gaa tgc att ttc cag cca atc ttc cta 240  
 47 Leu Gln Ser Asp Gly Phe Tyr Glu Cys Ile Phe Gln Pro Ile Phe Leu  
 48 65 70 75 80  
 50 tta tct ggc tac aca atg tgg att agg atc aat cac tct cta ggt tca 288  
 51 Leu Ser Gly Tyr Thr Met Trp Ile Arg Ile Asn His Ser Leu Gly Ser  
 52 85 90 95  
 54 ctt gac tct cca cca aca tgt gtc ctt cct gat tct gtg gtg aag cca 336  
 55 Leu Asp Ser Pro Pro Thr Cys Val Leu Pro Asp Ser Val Val Lys Pro  
 56 100 105 110  
 58 ctg cct cca tcc agt gtg aaa gca gaa att act ata aac att gga tta 384  
 59 Leu Pro Pro Ser Ser Val Ala Glu Ile Thr Ile Asn Ile Gly Leu

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Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
Output Set: N:\CRF4\10292004\J803459B.raw

60	115	120	125	
62	ttg aaa ata tct tgg gaa aag cca gtc ttt cca gag aat aac ctt caa			432
63	Leu Lys Ile Ser Trp Glu Lys Pro Val Phe Pro Glu Asn Asn Leu Gln			
64	130	135	140	
66	ttc cag att cgc tat ggt tta agt gga aaa gaa gta caa tgg aag atg			480
67	Phe Gln Ile Arg Tyr Gly Leu Ser Gly Lys Glu Val Gln Trp Lys Met			
68	145	150	155	160
70	tat gag gtt tat gat gca aaa tca aaa tct gtc agt ctc cca gtt cca			528
71	Tyr Glu Val Tyr Asp Ala Lys Ser Lys Ser Val Ser Leu Pro Val Pro			
72	165	170	175	
74	gac ttg tgt gca gtc tat gct gtt cag gtg cgc tgt aag agg cta gat			576
75	Asp Leu Cys Ala Val Tyr Ala Val Gln Val Arg Cys Lys Arg Leu Asp			
76	180	185	190	
78	gga ctg gga tat tgg agt aat tgg agc aat cca gcc tac aca gtt gtc			624
79	Gly Leu Gly Tyr Trp Ser Asn Trp Ser Asn Pro Ala Tyr Thr Val Val			
80	195	200	205	
82	atg gat			630
83	Met Asp			
84	210			
87	<210> SEQ ID NO: 2			
88	<211> LENGTH: 210			
89	<212> TYPE: PRT			
90	<213> ORGANISM: homo sapiens			
92	<400> SEQUENCE: 2			
94	Met Ala Ile Asp Val Asn Ile Asn Ile Ser Cys Glu Thr Asp Gly Tyr			
95	1	5	10	15
98	Leu Thr Lys Met Thr Cys Arg Trp Ser Thr Ser Thr Ile Gln Ser Leu			
99	20	25	30	
102	Ala Glu Ser Thr Leu Gln Leu Arg Tyr His Arg Ser Ser Leu Tyr Cys			
103	35	40	45	
106	Ser Asp Ile Pro Ser Ile His Pro Ile Ser Glu Pro Lys Asp Cys Tyr			
107	50	55	60	
110	Leu Gln Ser Asp Gly Phe Tyr Glu Cys Ile Phe Gln Pro Ile Phe Leu			
111	65	70	75	80
114	Leu Ser Gly Tyr Thr Met Trp Ile Arg Ile Asn His Ser Leu Gly Ser			
115	85	90	95	
118	Leu Asp Ser Pro Pro Thr Cys Val Leu Pro Asp Ser Val Val Lys Pro			
119	100	105	110	
122	Leu Pro Pro Ser Ser Val Lys Ala Glu Ile Thr Ile Asn Ile Gly Leu			
123	115	120	125	
126	Leu Lys Ile Ser Trp Glu Lys Pro Val Phe Pro Glu Asn Asn Leu Gln			
127	130	135	140	
130	Phe Gln Ile Arg Tyr Gly Leu Ser Gly Lys Glu Val Gln Trp Lys Met			
131	145	150	155	160
134	Tyr Glu Val Tyr Asp Ala Lys Ser Lys Ser Val Ser Leu Pro Val Pro			
135	165	170	175	
138	Asp Leu Cys Ala Val Tyr Ala Val Gln Val Arg Cys Lys Arg Leu Asp			
139	180	185	190	
142	Gly Leu Gly Tyr Trp Ser Asn Trp Ser Asn Pro Ala Tyr Thr Val Val			

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Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
 Output Set: N:\CRF4\10292004\J803459B.raw

143	195	200	205	
146	Met Asp			
147	210			
150	<210> SEQ ID NO: 3			
151	<211> LENGTH: 36			
152	<212> TYPE: DNA			
153	<213> ORGANISM: Artificial Sequence			
155	<220> FEATURE:			
156	<223> OTHER INFORMATION: completely synthesized			
158	<400> SEQUENCE: 3			
159	ggaattccat atgattgatg tcaatatcaa tatctc			36
162	<210> SEQ ID NO: 4			
163	<211> LENGTH: 39			
164	<212> TYPE: DNA			
165	<213> ORGANISM: Artificial Sequence			
167	<220> FEATURE:			
168	<223> OTHER INFORMATION: completely synthesized			
170	<400> SEQUENCE: 4			
171	cataggaagc tttcaatcca tgacaactgt gtaggctgg			39
174	<210> SEQ ID NO: 5			
175	<211> LENGTH: 12			
176	<212> TYPE: PRT			
177	<213> ORGANISM: homo sapiens			
180	<220> FEATURE:			
181	<221> NAME/KEY: misc_feature			
182	<222> LOCATION: (11)..(11)			
183	<223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid			
185	<400> SEQUENCE: 5			
W-->	187 Met Ala Ile Asp Val Asn Ile Asn Ile Ser Xaa Glu			
188	1	5	10	
191	<210> SEQ ID NO: 6			
192	<211> LENGTH: 5			
193	<212> TYPE: PRT			
194	<213> ORGANISM: Artificial Sequence			
197	<220> FEATURE:			
198	<221> NAME/KEY: misc_feature			
199	<222> LOCATION: (3)..(3)			
200	<223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid			
202	<400> SEQUENCE: 6			
W-->	204 Trp Ser Xaa Trp Ser			
205	1	5		
208	<210> SEQ ID NO: 7			
209	<211> LENGTH: 627			
210	<212> TYPE: DNA			
211	<213> ORGANISM: gallus domesticus			
214	<220> FEATURE:			
215	<221> NAME/KEY: CDS			
216	<222> LOCATION: (1)..(627)			
218	<220> FEATURE:			

*Needs exploration in 12207-12237 section*

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Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
Output Set: N:\CRF4\10292004\J803459B.raw

219 <221> NAME/KEY: misc\_feature  
220 <222> LOCATION: (6)..(6)  
221 <223> OTHER INFORMATION: n is a, c, g, or t  
223 <400> SEQUENCE: 7  
W--> 224 atg gcn gta gat gtg aat atc aat atc aaa tgt gaa act gat ggg tac 48  
225 Met Ala Val Asp Val Asn Ile Asn Ile Lys Cys Glu Thr Asp Gly Tyr  
226 1 5 10 15  
228 tta act aaa atg act tgc aga tgg tct gca aac cca aac gca ttg ctc 96  
229 Leu Thr Lys Met Thr Cys Arg Trp Ser Ala Asn Pro Asn Ala Leu Leu  
230 20 25 30  
232 ttg ggg agt tcc ttg cag tta aga tac cac agg agc aaa att tat tgt 144  
233 Leu Gly Ser Ser Leu Gln Leu Arg Tyr His Arg Ser Lys Ile Tyr Cys  
234 35 40 45  
236 tct aac ttt cca agt act cct cca gaa tca gag gtg aaa gaa tgc cat 192  
237 Ser Asn Phe Pro Ser Thr Pro Pro Glu Ser Glu Val Lys Glu Cys His  
238 50 55 60  
240 ttc cag agg aat cat tct tat gag tgc aca ttt cag cct gtt ttt ctt 240  
241 Phe Gln Arg Asn His Ser Tyr Glu Cys Thr Phe Gln Pro Val Phe Leu  
242 65 70 75 80  
244 tta tct gga tat acc atg tgg att gag ctt aag cac tcg ctg gga aca 288  
245 Leu Ser Gly Tyr Thr Met Trp Ile Glu Leu Lys His Ser Leu Gly Thr  
246 85 90 95  
248 ctt gaa tcc tca cca act tgt gtc gtt cca gca gat gtg gtg aag cca 336  
249 Leu Glu Ser Ser Pro Thr Cys Val Val Pro Ala Asp Val Val Lys Pro  
250 100 105 110  
252 ctg cct ccc tcc aac att aaa gca gag atc acc aga aac gat ggg ctg 384  
253 Leu Pro Pro Ser Asn Ile Lys Ala Glu Ile Thr Arg Asn Asp Gly Leu  
254 115 120 125  
256 ctg aac gtg agc tgg aca aac ccc gtg ttt aca aat gat gac ctt aag 432  
257 Leu Asn Val Ser Trp Thr Asn Pro Val Phe Thr Asn Asp Asp Leu Lys  
258 130 135 140  
260 ttt cag atc cgg tac gca gtg aac agg gaa gaa ctc aca tgg gag ctg 480  
261 Phe Gln Ile Arg Tyr Ala Val Asn Arg Glu Glu Leu Thr Trp Glu Leu  
262 145 150 155 160  
264 tat gaa gtt cta agc gta cca aca aga tca gct gtg ata gaa gtg caa 528  
265 Tyr Glu Val Leu Ser Val Pro Thr Arg Ser Ala Val Ile Glu Val Gln  
266 165 170 175  
268 ctt tgt gtt gaa tat att gtt cag atc cgc tgc aga gcc ctg gat ggc 576  
269 Leu Cys Val Glu Tyr Ile Val Gln Ile Arg Cys Arg Ala Leu Asp Gly  
270 180 185 190  
272 tta ggc tac tgg agc aac tgg agc aga tca gcc tat gca gct gta aaa 624  
273 Leu Gly Tyr Trp Ser Asn Trp Ser Arg Ser Ala Tyr Ala Ala Val Lys  
274 195 200 205  
276 gat 627  
277 Asp  
281 <210> SEQ ID NO: 8  
282 <211> LENGTH: 209  
283 <212> TYPE: PRT  
284 <213> ORGANISM: gallus domesticus

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286 <400> SEQUENCE: 8  
288 Met Ala Val Asp Val Asn Ile Asn Ile Lys Cys Glu Thr Asp Gly Tyr  
289 1 5 10 15  
292 Leu Thr Lys Met Thr Cys Arg Trp Ser Ala Asn Pro Asn Ala Leu Leu  
293 20 25 30  
296 Leu Gly Ser Ser Leu Gln Leu Arg Tyr His Arg Ser Lys Ile Tyr Cys  
297 35 40 45  
300 Ser Asn Phe Pro Ser Thr Pro Pro Glu Ser Glu Val Lys Glu Cys His  
301 50 55 60  
304 Phe Gln Arg Asn His Ser Tyr Glu Cys Thr Phe Gln Pro Val Phe Leu  
305 65 70 75 80  
308 Leu Ser Gly Tyr Thr Met Trp Ile Glu Leu Lys His Ser Leu Gly Thr  
309 85 90 95  
312 Leu Glu Ser Ser Pro Thr Cys Val Val Pro Ala Asp Val Val Lys Pro  
313 100 105 110  
316 Leu Pro Pro Ser Asn Ile Lys Ala Glu Ile Thr Arg Asn Asp Gly Leu  
317 115 120 125  
320 Leu Asn Val Ser Trp Thr Asn Pro Val Phe Thr Asn Asp Asp Leu Lys  
321 130 135 140  
324 Phe Gln Ile Arg Tyr Ala Val Asn Arg Glu Glu Leu Thr Trp Glu Leu  
325 145 150 155 160  
328 Tyr Glu Val Leu Ser Val Pro Thr Arg Ser Ala Val Ile Glu Val Gln  
329 165 170 175  
332 Leu Cys Val Glu Tyr Ile Val Gln Ile Arg Cys Arg Ala Leu Asp Gly  
333 180 185 190  
336 Leu Gly Tyr Trp Ser Asn Trp Ser Arg Ser Ala Tyr Ala Ala Val Lys  
337 195 200 205  
340 Asp

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/29/2004  
PATENT APPLICATION: US/10/803,459B TIME: 16:32:34

Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
Output Set: N:\CRF4\10292004\J803459B.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6  
Seq#:5; Xaa Pos. 11  
Seq#:6; Xaa Pos. 3  
Seq#:7; N Pos. 6

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/803,459B

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TIME: 16:32:34

Input Set : D:\Leptin Sequence Listing-Corrected.2.txt  
Output Set: N:\CRF4\10292004\J803459B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0